

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014290.D
 Acq On : 20 Jun 2023 17:53
 Operator : KP/MD
 Sample : 03298-12
 Misc : 5.82g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-05-GRAB-7

Quant Time: Jun 21 02:09:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

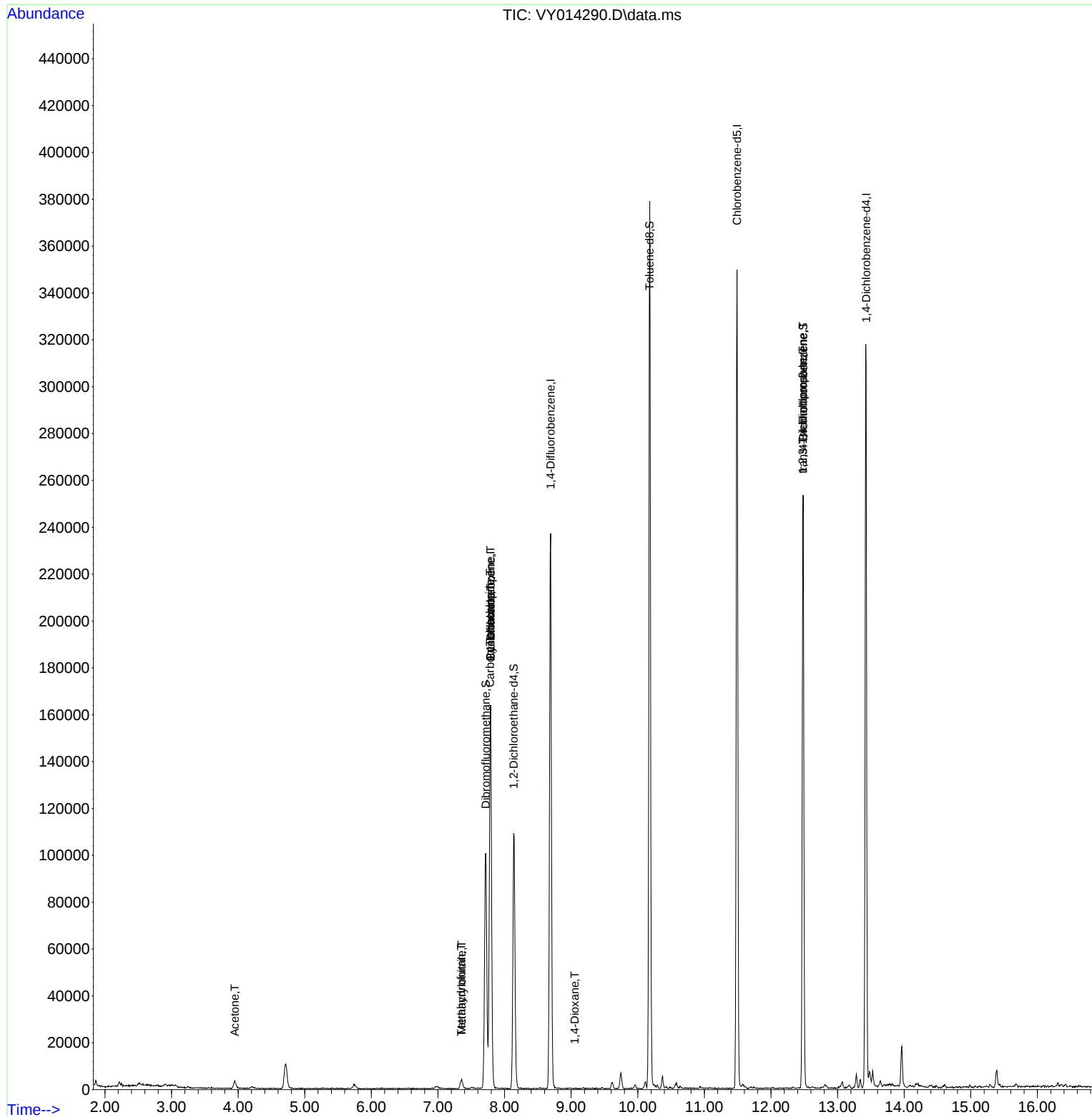
Internal Standards						
1) Pentafluorobenzene	7.789	168	127039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	198528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	187367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	89416	50.545	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.080%			
35) Dibromofluoromethane	7.716	113	67965	48.273	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.540%			
50) Toluene-d8	10.179	98	245430	46.628	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.260%			
62) 4-Bromofluorobenzene	12.483	95	71188	38.073	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 76.140%			
Target Compounds						
11) Tert butyl alcohol	4.936	59	147	Below Cal	#	89
16) Acetone	3.948	43	5294	9.928	ug/l	93
29) Tetrahydrofuran	7.350	42	2984	7.169	ug/l #	53
31) Cyclohexane	7.789	56	3190	1.346	ug/l #	16
36) 1,1-Dichloropropene	7.789	75	9699	4.419	ug/l #	51
38) Carbon Tetrachloride	7.783	117	12225	4.826	ug/l #	16
41) Methacrylonitrile	7.356	41	1923	2.488	ug/l #	43
49) 1,4-Dioxane	9.051	88	19	1.465	ug/l #	36
76) 1,2,3-Trichloropropane	12.477	75	38122	34.708	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	38122	75.025	ug/l #	11

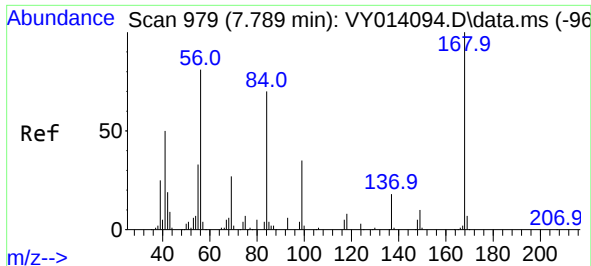
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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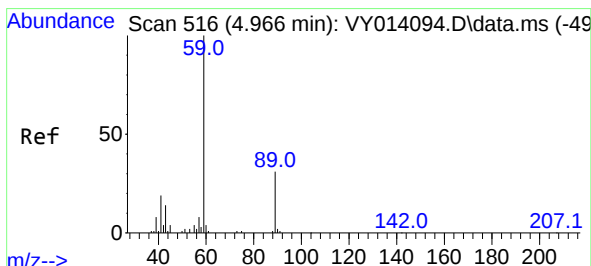
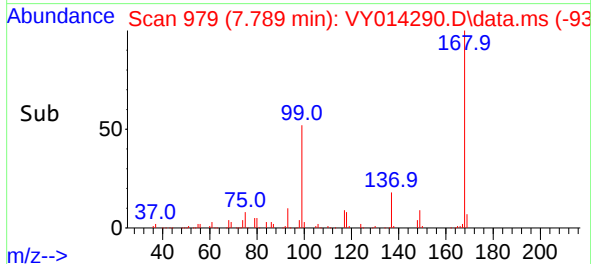
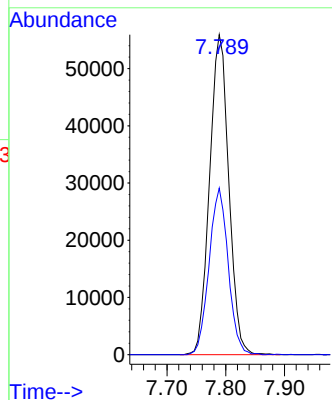
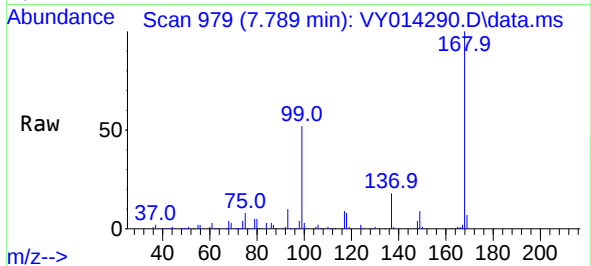




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014290.D
Acq: 20 Jun 2023 17:53

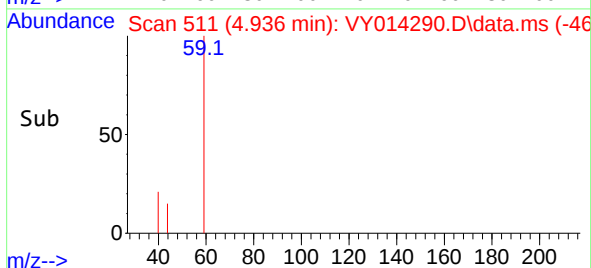
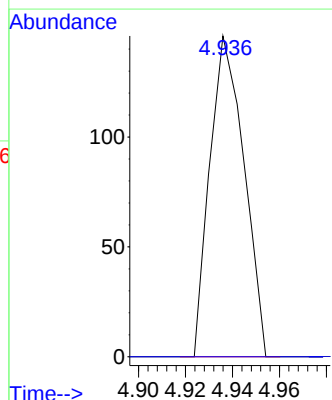
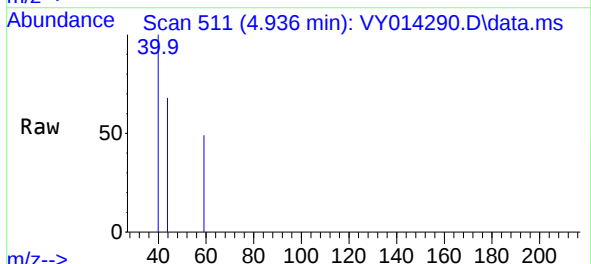
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-05-GRAB-7

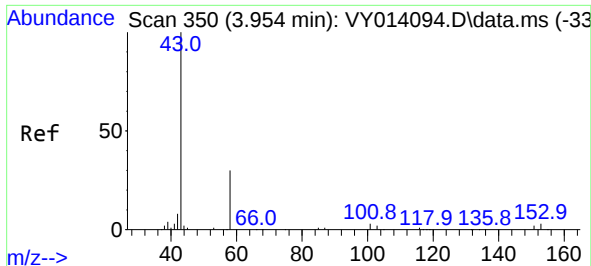
Tgt Ion:168 Resp: 127039
Ion Ratio Lower Upper
168 100
99 52.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY014290.D
Acq: 20 Jun 2023 17:53

Tgt Ion: 59 Resp: 147
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

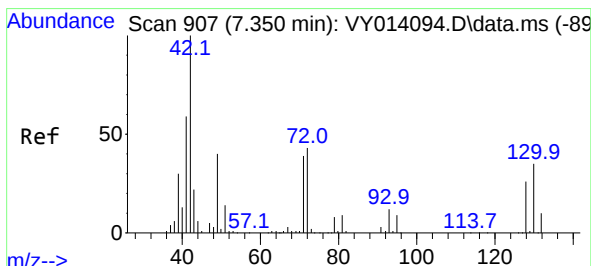
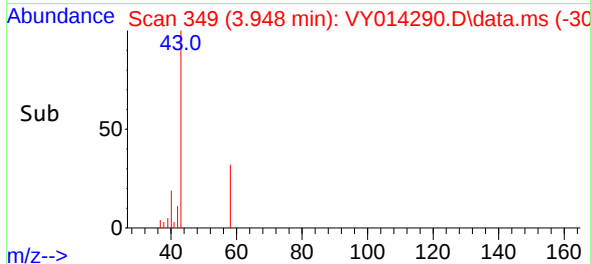
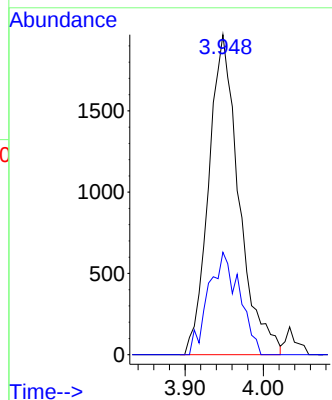
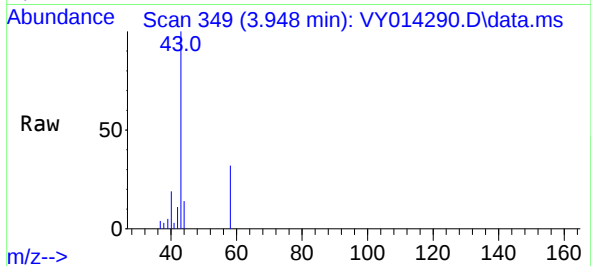




#16
Acetone
Concen: 9.928 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY014290.D
Acq: 20 Jun 2023 17:53

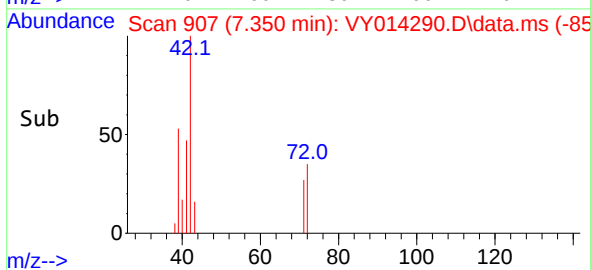
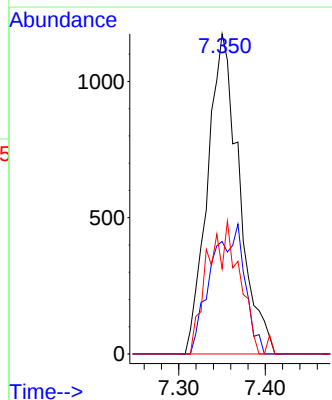
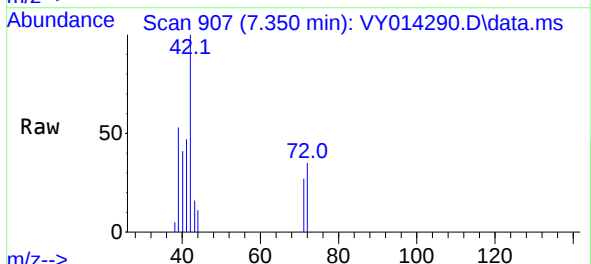
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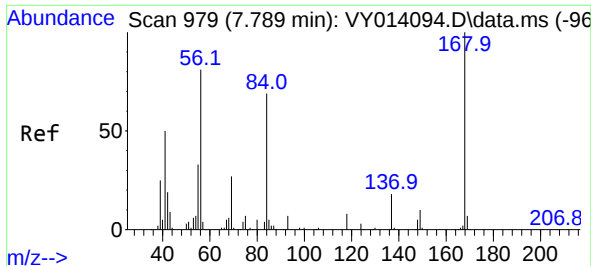
Tgt Ion: 43 Resp: 5294
Ion Ratio Lower Upper
43 100
58 32.0 22.7 34.1



#29
Tetrahydrofuran
Concen: 7.169 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY014290.D
Acq: 20 Jun 2023 17:53

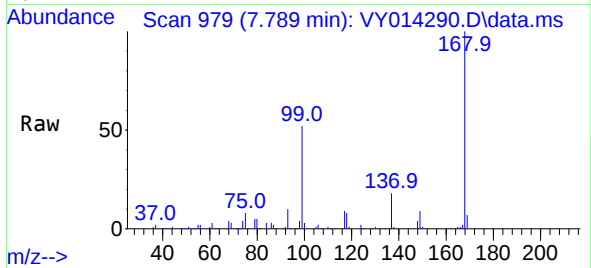
Tgt Ion: 42 Resp: 2984
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 21.5 31.0 46.4#



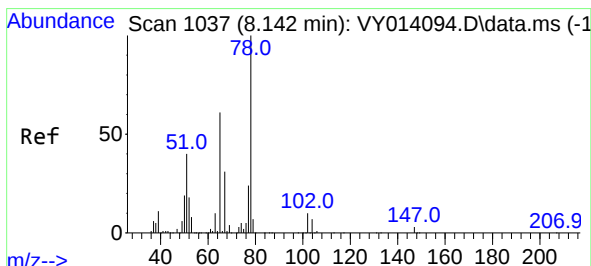
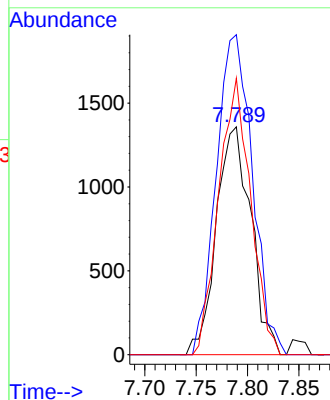
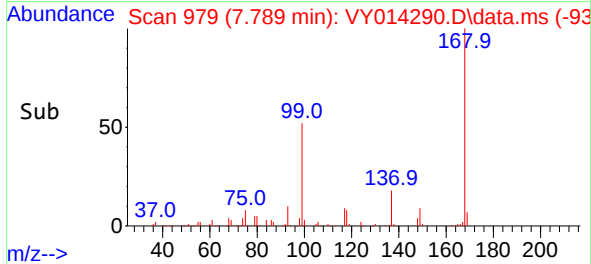


#31
Cyclohexane
Concen: 1.346 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014290.D
Acq: 20 Jun 2023 17:53

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-05-GRAB-7

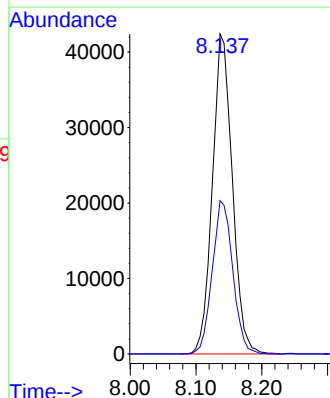
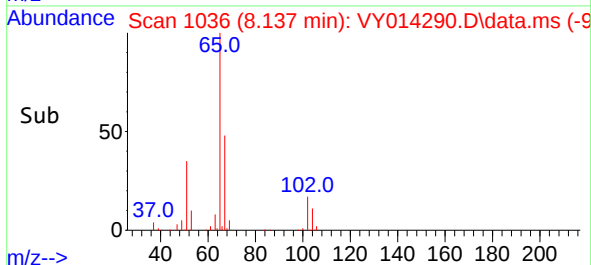
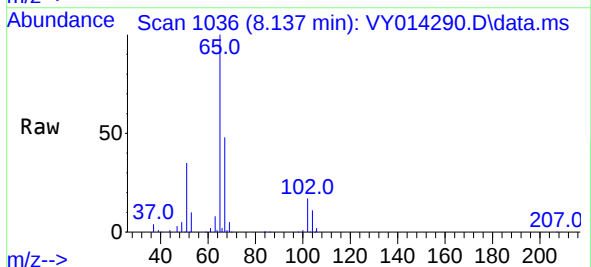


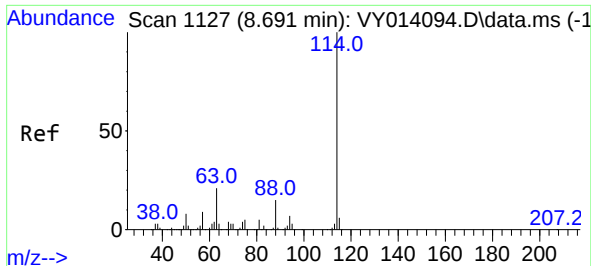
Tgt Ion: 56 Resp: 3190
Ion Ratio Lower Upper
56 100
69 140.4 27.8 41.6#
84 121.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 50.545 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY014290.D
Acq: 20 Jun 2023 17:53

Tgt Ion: 65 Resp: 89416
Ion Ratio Lower Upper
65 100
67 49.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014290.D

Acq: 20 Jun 2023 17:53

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-05-GRAB-7

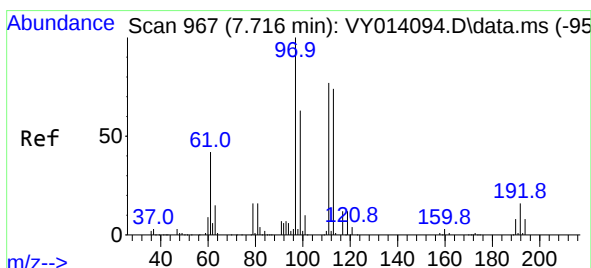
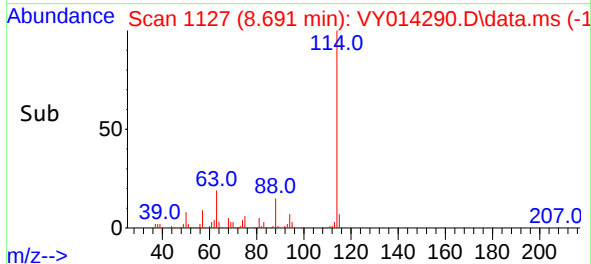
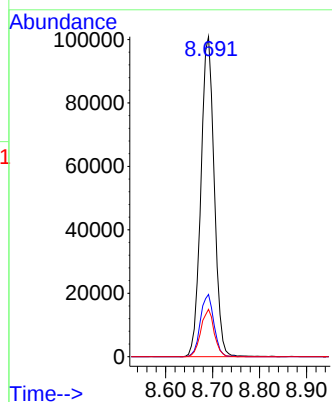
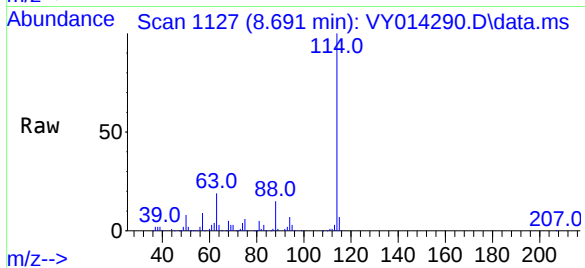
Tgt Ion:114 Resp: 198528

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.273 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014290.D

Acq: 20 Jun 2023 17:53

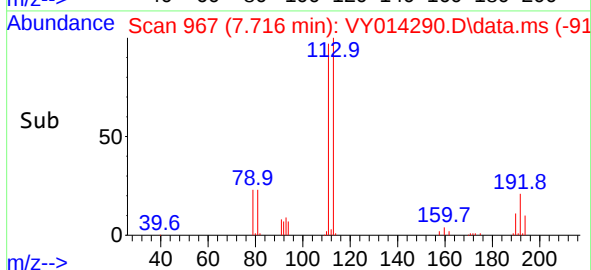
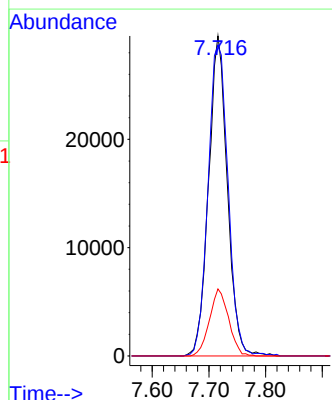
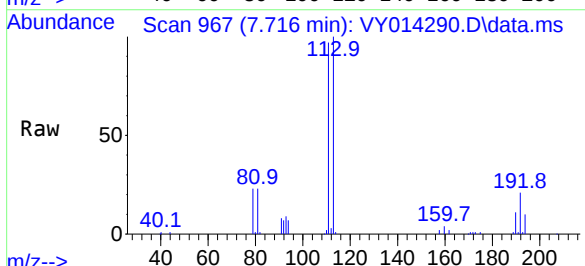
Tgt Ion:113 Resp: 67965

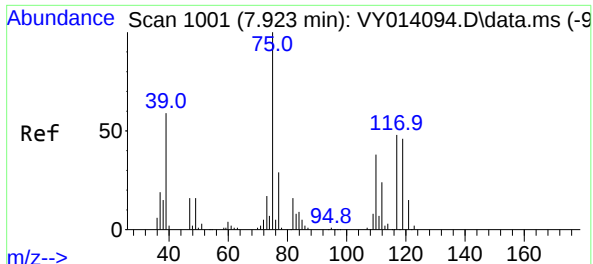
Ion Ratio Lower Upper

113 100

111 103.9 81.3 121.9

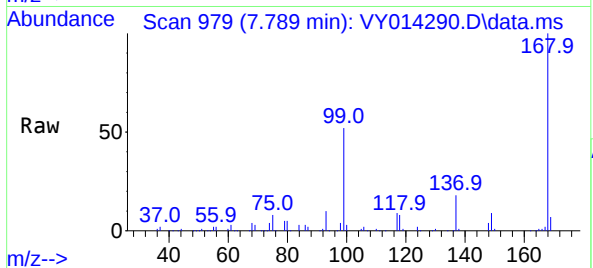
192 21.3 16.9 25.3



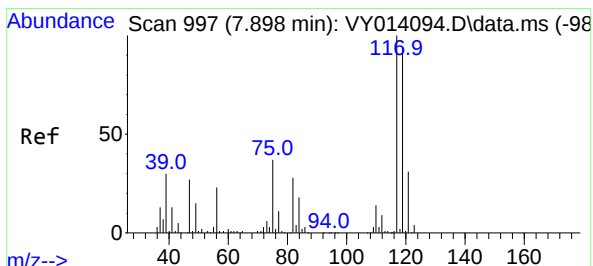
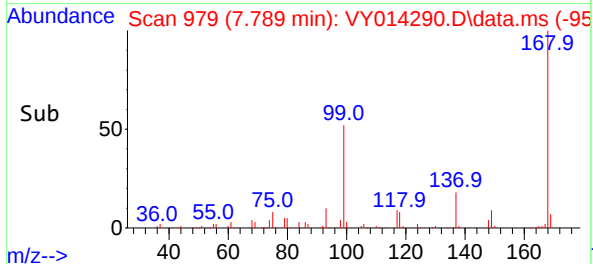
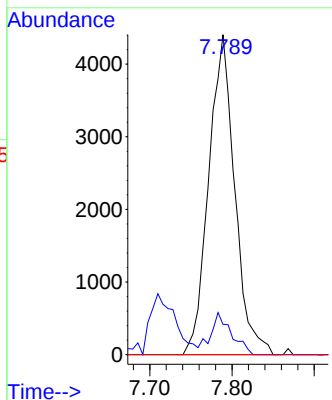


#36
1,1-Dichloropropene
Concen: 4.419 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY014290.D
Acq: 20 Jun 2023 17:53

Instrument :
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ClientSampleId :
TOTAL-VOC-TW-05-GRAB-7

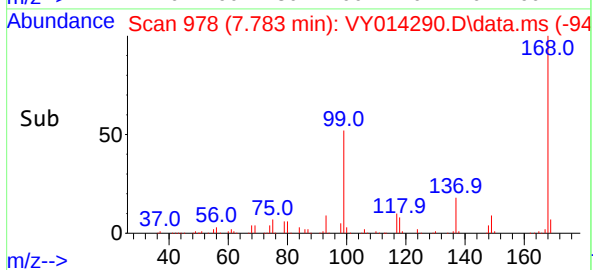
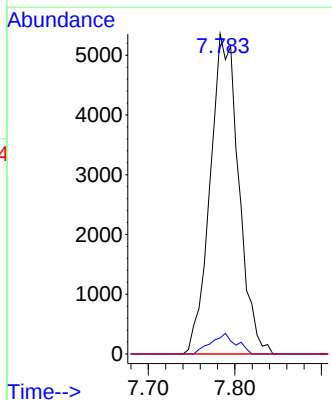
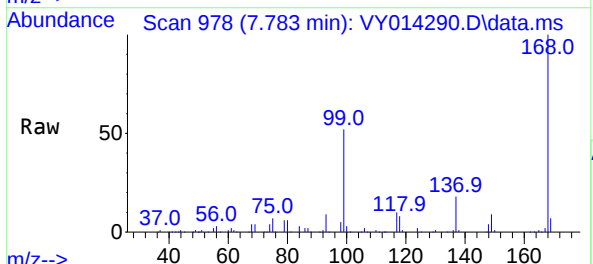


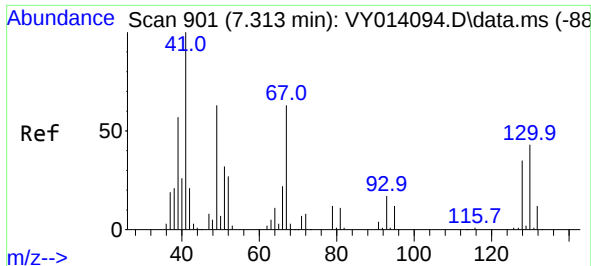
Tgt Ion: 75 Resp: 9699
Ion Ratio Lower Upper
75 100
110 10.5 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.826 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.115 min
Lab File: VY014290.D
Acq: 20 Jun 2023 17:53

Tgt Ion: 117 Resp: 12225
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#

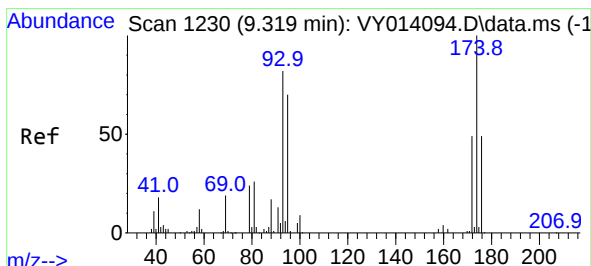
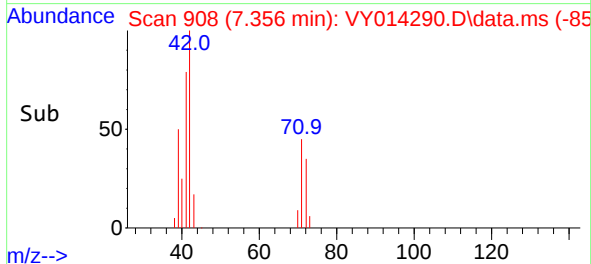
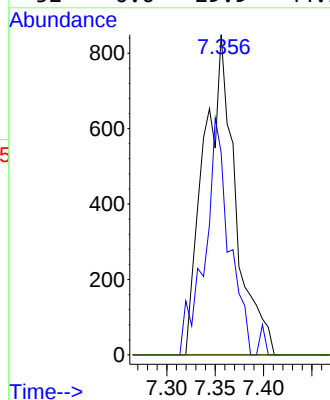
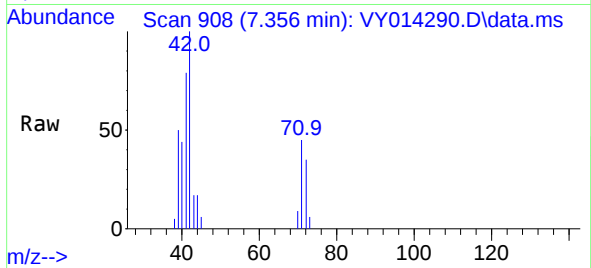




#41
Methacrylonitrile
Concen: 2.488 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.043 min
Lab File: VY014290.D
Acq: 20 Jun 2023 17:53

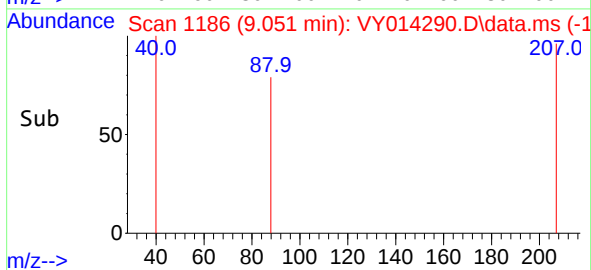
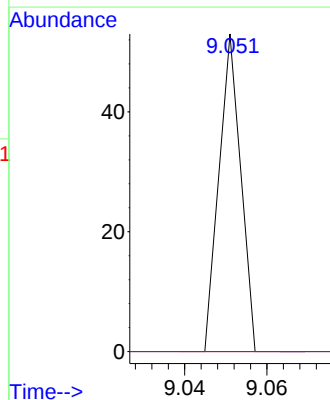
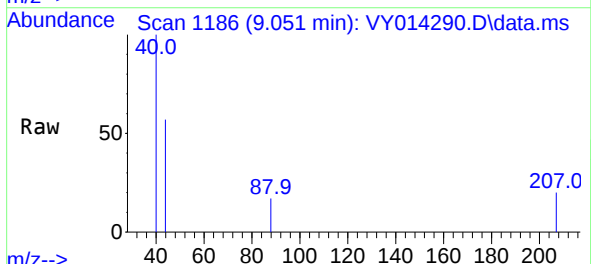
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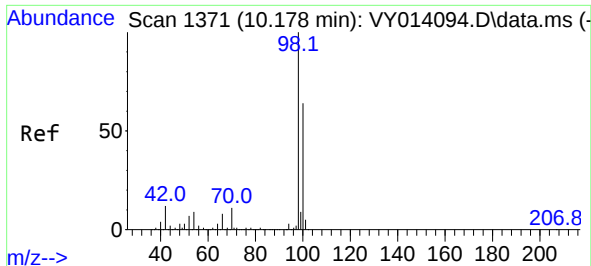
Tgt Ion: 41	Resp: 1923
Ion Ratio	Lower Upper
41 100	
39 57.3	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#49
1,4-Dioxane
Concen: 1.465 ug/l
RT: 9.051 min Scan# 1186
Delta R.T. -0.268 min
Lab File: VY014290.D
Acq: 20 Jun 2023 17:53

Tgt Ion: 88	Resp: 19
Ion Ratio	Lower Upper
88 100	
43 0.0	0.0 0.0
58 0.0	30.9 46.3#

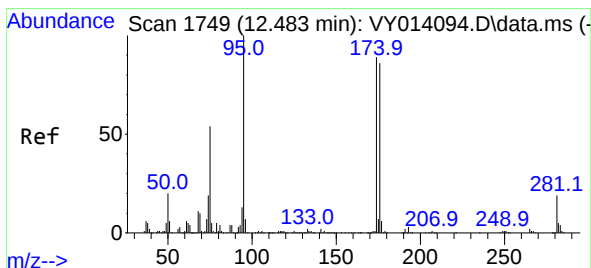
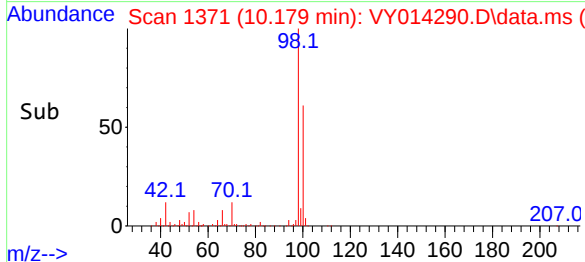
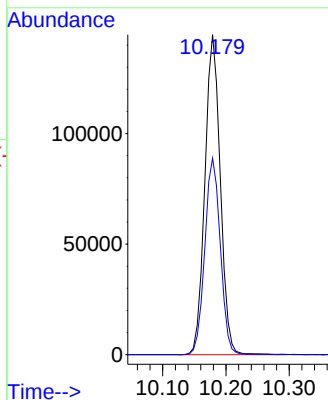
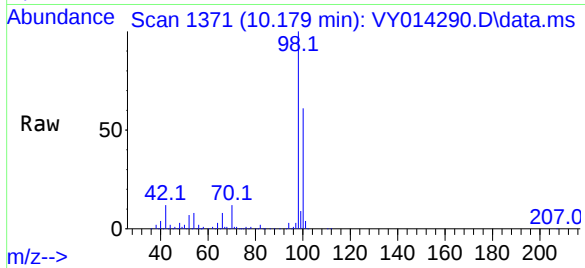




#50
Toluene-d8
Concen: 46.628 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014290.D
Acq: 20 Jun 2023 17:53

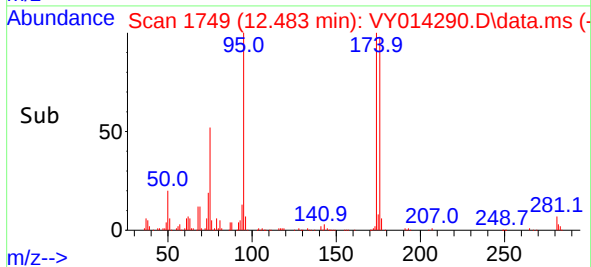
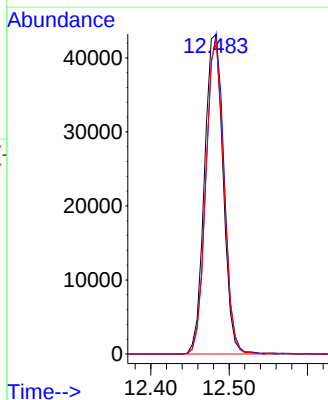
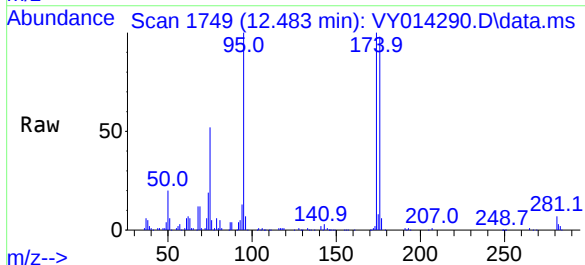
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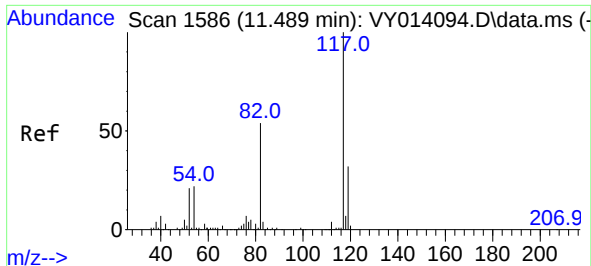
Tgt Ion: 98 Resp: 245430
Ion Ratio Lower Upper
98 100
100 61.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 38.073 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014290.D
Acq: 20 Jun 2023 17:53

Tgt Ion: 95 Resp: 71188
Ion Ratio Lower Upper
95 100
174 97.1 0.0 178.2
176 94.8 0.0 173.8

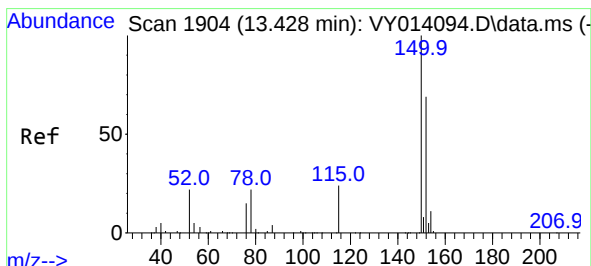
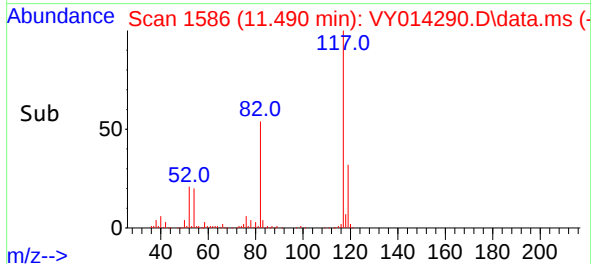
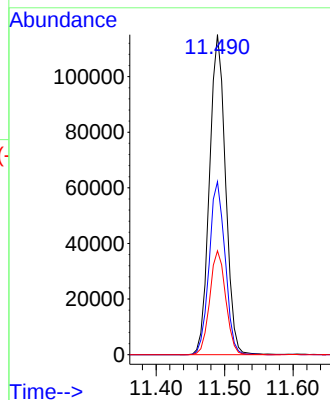
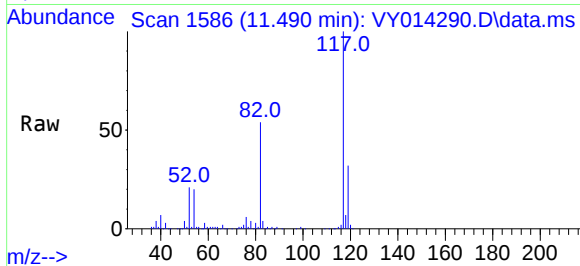




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014290.D
Acq: 20 Jun 2023 17:53

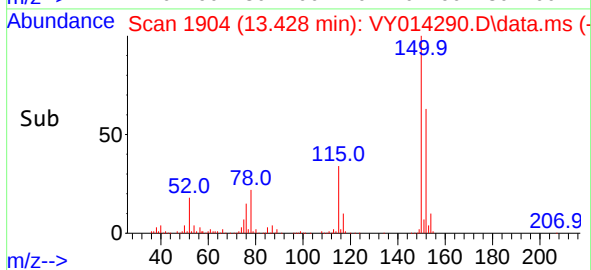
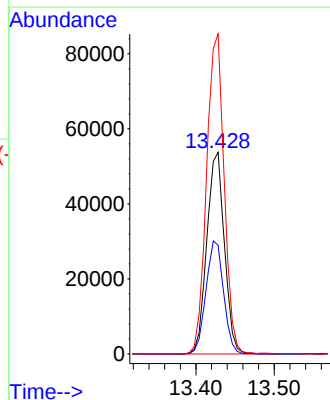
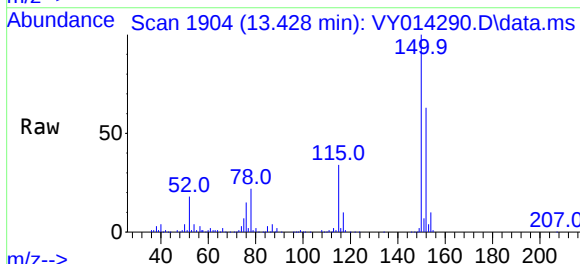
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-05-GRAB-7

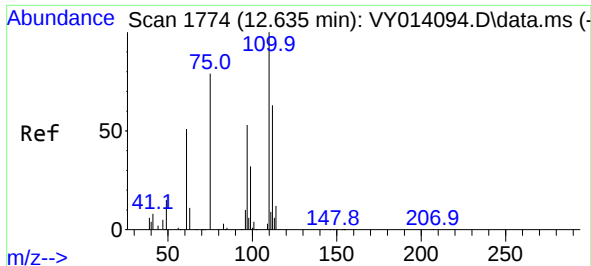
Tgt Ion:117 Resp: 187367
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 32.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014290.D
Acq: 20 Jun 2023 17:53

Tgt Ion:152 Resp: 83719
Ion Ratio Lower Upper
152 100
115 56.1 28.8 86.5
150 158.6 0.0 348.8

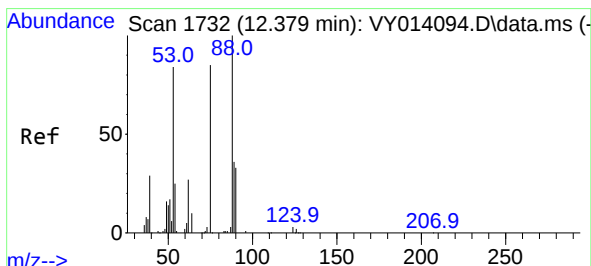
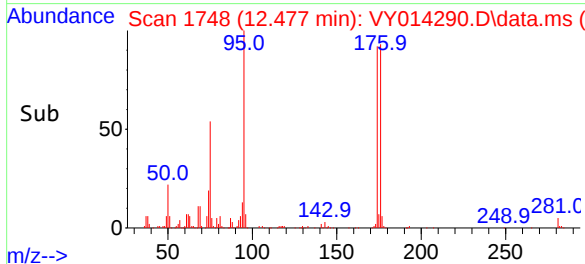
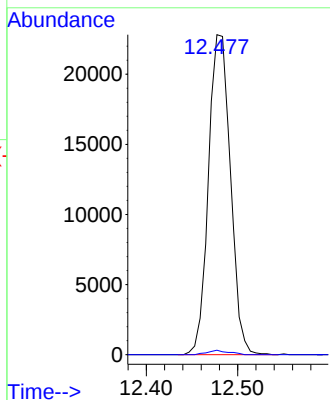
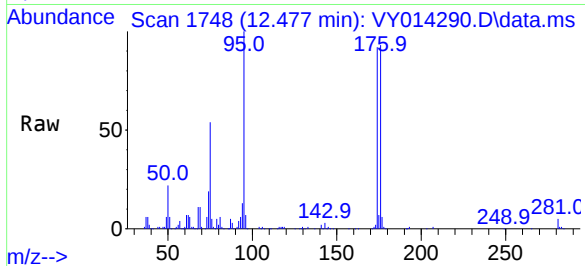




#76
1,2,3-Trichloropropane
Concen: 34.708 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014290.D
Acq: 20 Jun 2023 17:53

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-05-GRAB-7

Tgt Ion: 75 Resp: 38122
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.025 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014290.D
Acq: 20 Jun 2023 17:53

Tgt Ion: 75 Resp: 38122
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.1 37.4 56.0#

